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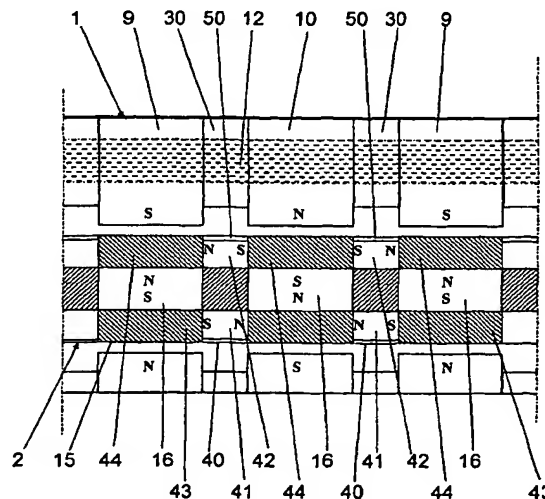
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(54) Title: AN ELECTRICAL MACHINE AND USE THEREOF



(57) **Abstract:** The invention relates to an electrical machine of the transversal-flux type. The machine comprises a stator (1) and a movable element (2). The stator has a plurality of stator elements (9, 10) with magnetic flux conductors and an electric winding (12) extending in a closed winding path through each magnetic flux conductor. The movable element (2) comprises a number of permanent-magnet members (15) and is movable in relation to the stator along a movement path. The winding path comprises a first current-carrying section (12) extending along the movement path. Each magnetic flux conductor forms, together with one of the permanent-magnet members (15), a closed magnetic flux circuit around said current-carrying section. Each permanent-magnet member comprises a primary magnet (16) with a magnetic direction across the movement path. Adjacently located permanent-magnet members (15) are separated from each other by an intermediate member (40) comprising at least one secondary magnet (41, 42) that has a magnetic direction essentially across the magnetic direction of the primary magnet (15).

WO 2004/017501 A1